Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/06/2017 12:10 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124368	-1	1.67	124210	1.65
Blue	F	SSC	125000	124934	-1	3.1	125203	2.87
Blue	E	FITC	21625	21131	-3	2.48	939	10.08
Blue	D	PE	26832	26481	-2	2.03	950	9.75
Blue	B	PerCP-Cy5-5	48027	47277	-2	3.45	1357	16.55
Blue	A	PE-Cy7	40971	40587	-1	5.1	626	34.31
Red	C	APC	49746	49360	-1	2.93	2843	9.4
Red	A	APC-Cy7	53615	53154	-1	2.95	1095	11.34
Violet	B	V450	14488	13911	-4	4.88	665	9.62
Violet	A	V500	55123	53968	-3	4.7	2395	7.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19691	4.9	606	8	N/A	N/A	Pass
Blue	F	SSC	62111	1.4	535	1	N/A	N/A	Pass
Blue	E	FITC	105	39.41	534	-2	0.0219	222	Pass
Blue	D	PE	207	28.51	530	-1	0.1589	215	Pass
Blue	B	PerCP-Cy5-5	214	44.2	626	-3	0.0107	114	Pass
Blue	A	PE-Cy7	69	114.05	677	-4	0.0128	14	Pass
Red	C	APC	331	27.19	589	-5	0.0209	57	Pass
Red	A	APC-Cy7	119	41.34	573	-7	0.0055	1696	Pass
Violet	B	V450	81	41.45	466	-5	0.0416	1580	Pass
Violet	A	V500	176	22.98	492	-4	0.0133	283	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.37	-30.84	0.88
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.33
Red	16.10	13.27 - 19.91	N/A	N/A	30.93	31.36	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 13015

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments